

PER-AND POLYFLUOROALKYL SUBSTANCES (PFAS)



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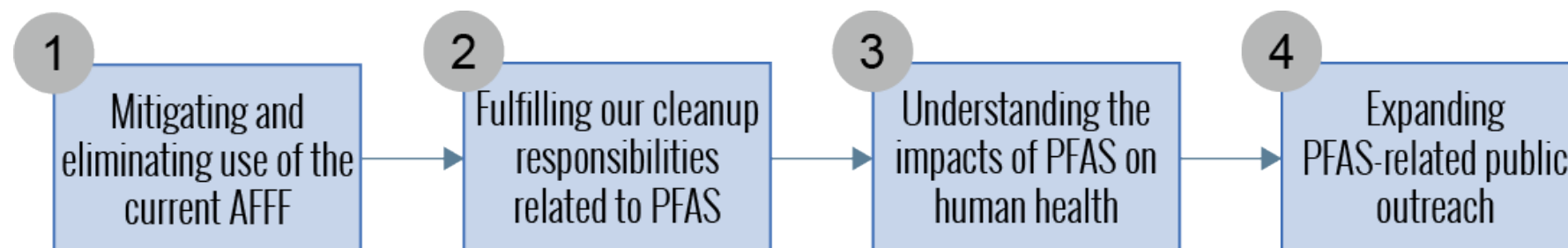




DOD PFAS EFFORTS: OVERVIEW

DoD PFAS Task Force (10 U.S.C. 2715)

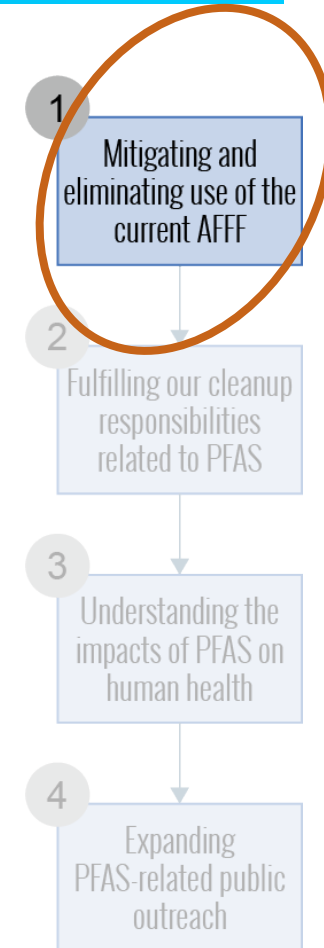
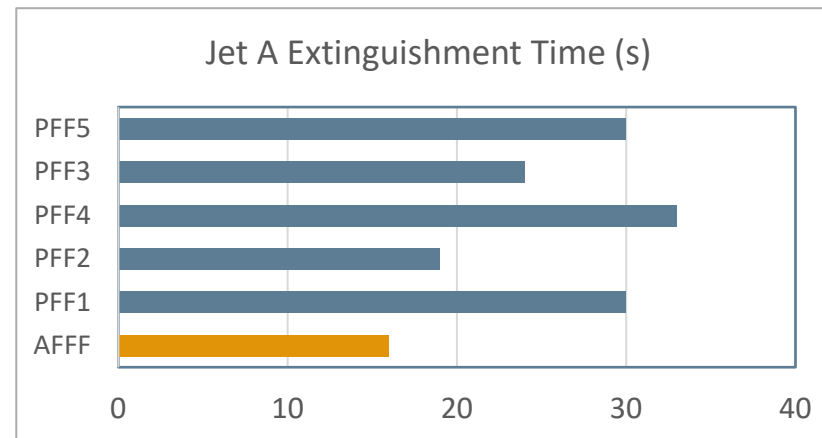
- Chaired by the Assistant Secretary of Defense for Energy, Installations, & Environment (ASD(EI&E)) and members include ASDs from each Military Department and Health Affairs.
- Develops and issues policies related to PFAS to assist DoD in addressing PFAS in a consistent and holistic manner across the Department.



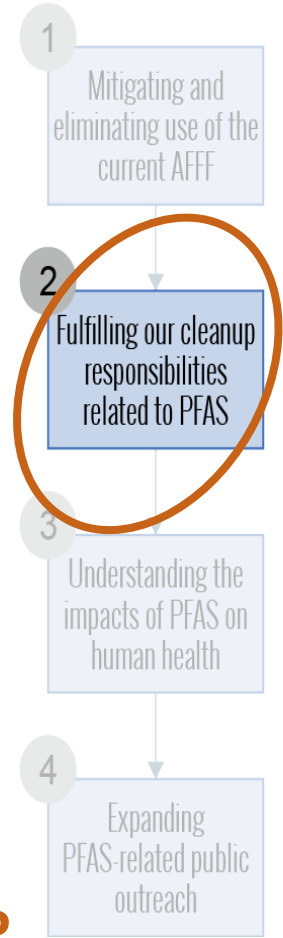
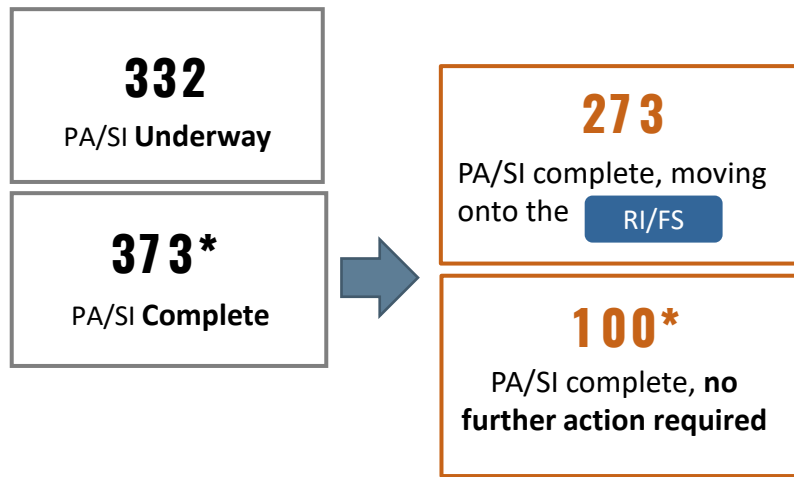
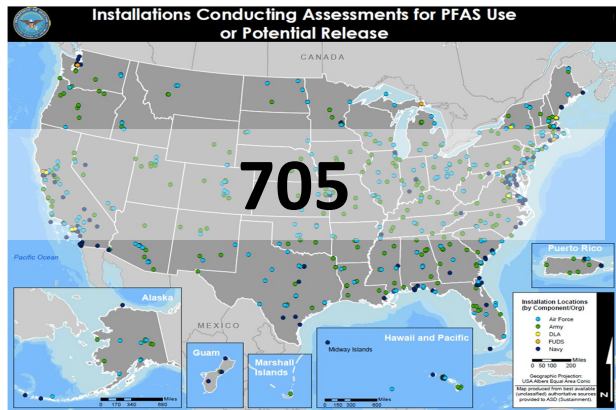
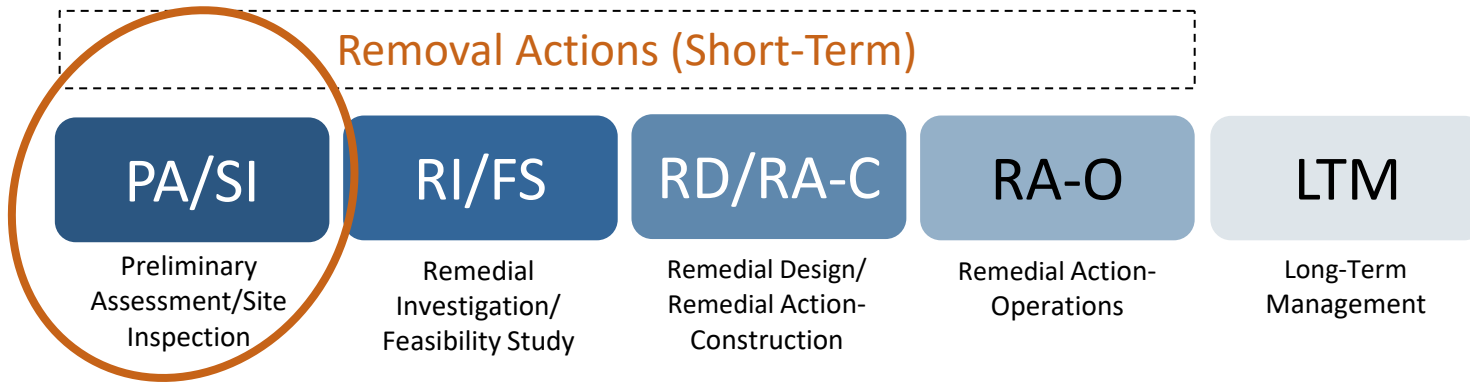
PFAS TASK FORCE: MITIGATING AND ELIMINATING USE OF CURRENT AFFF



- Stopped using AFFF for land-based testing or training – unless it can be completely contained and disposed.
- Publish MILSPEC for PFAS-free firefighting product by January 31, 2023
- Stop buying AFFF by October 1, 2023 and using by October 1, 2024 - 2026
- Testing PFAS-free firefighting agents – several meet requirements
- Continuing to evaluate alternative technologies (e.g., floor drains, water, etc.)



PFAS TASK FORCE: FULFILLING OUR CLEANUP RESPONSIBILITIES RELATED TO PFAS



DOD HAS OBLIGATED \$2.0 BILLION FOR PFAS CLEANUP

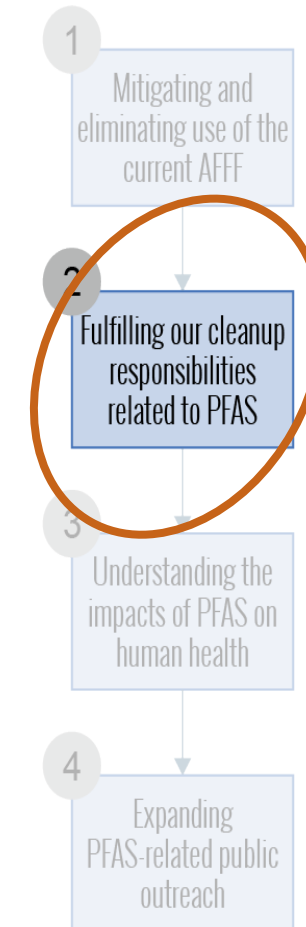
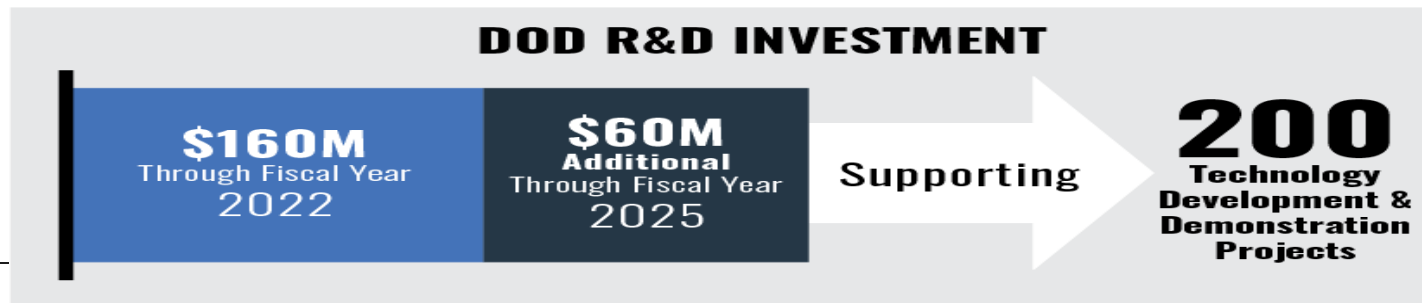
*Based on previous EPA screening level of 40 ppt

PFAS TASK FORCE: FULFILLING OUR CLEANUP RESPONSIBILITIES RELATED TO PFAS



DOD RESEARCH AND DEVELOPMENT

- DOD invests in research and development to advance technologies to expedite the cleanup process.
 - DOD has invested over \$160M through Fiscal Year 2022 with another \$60M planned through FY2025.
 - DOD supports over 200 technology development and demonstration projects including:
 - **Development of analytical methods for PFAS in media other than drinking water**
 - Draft method published by EPA in September 2021
 - Rapid, in-field analysis methods for mapping of impacted areas
 - Determination of pathways for PFAS migration in soil
 - Destruction methods for PFAS that do not involve incineration



PFAS TASK FORCE: UNDERSTANDING THE IMPACT OF PFAS ON HUMAN HEALTH

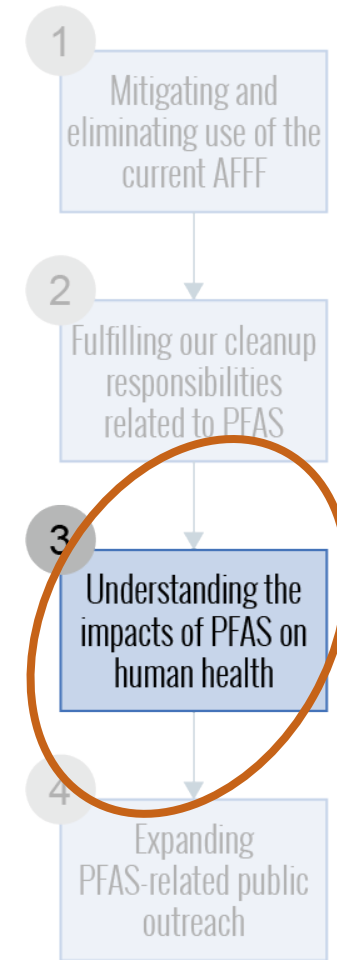


TRACKING RESEARCH ON HEALTH EFFECTS OF PFAS

- Monitoring PFAS exposure and health effects research and data.
- Collaborating with the Department of Veterans Affairs, Department of Health and Human Services (HHS), and other federal agencies.
- Supporting the Agency for Toxic Substances and Disease Registry's PFAS exposure assessments and a multi-site health study - \$70M

TESTING DOD FIREFIGHTERS' BLOOD LEVELS

- Continue offering DoD firefighters blood testing as required by FY2020 NDAA.
- Consolidating FY2021 and FY2022 results to begin trend analysis for PFAS in Blood.
- Challenges: Correlating occupationally-related blood levels and health effects (being evaluated by HHS and others).



PFAS TASK FORCE: EXPANDING PFAS-RELATED PUBLIC OUTREACH



THE DEPARTMENT IS COMMITTED TO INCREASING TRANSPARENCY AS WE CONTINUE TO ADDRESS PFAS

- Increase public engagement at local level (e.g., survey communities to establish best practices for DoD Restoration Advisory Boards (RAB))
- Draft guidance to augment the current DoD RAB Handbook
- Develop mechanisms to improve communication based on public feedback
- Identify better formats or platforms for presenting data
- Expand communication training
- Increase the availability and functionality to search DoD PFAS information/data and display it in a more user-friendly format

